Sl No-02

Contents 7	Reference to last Measurement 8
...ana, Easwy Temple Road	
	N
	Not to Scale
...d Road	
DEX	
RCC Drain with Covering Slab	
Culverts	
Box Slab drain	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

AEE/KH/SBR 11/13/14

M.A.R. 57 (Rule 116)

Measurement Book No. A/11

188516

Serial No. 1st and Final Bill Date of Recording 28/5/13

Name of work. Improvements & Roads in Muniswara & Easwy Temple Road and Cross Roads at Amruthahalli Ward no 7

Name of Contractor of nature of Agency.....

Date of commencement of work. EST Cost 19.00 Lakhs

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Job NO: 007-12-000052. P-1771/11-12						
	As NO: JC(4) As/192/12-13						
	TS NO: EE/BTP/BBMP/TS-87/2011-12						
	Contractor: Sri A Manjunath.						
	Agreement NO: EE/BTP/BBMP/Ag no/ /2011-12						
	Work order NO: EE/BTP/BBMP/W.O / /2011-12						
(1)	Earth work Excavation by Manual means in ordinary soil in valuing an Avg horizontal through up to 2m and an Avg lift up to 0.5m Excavated Surface						

Sl no. 02

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Jointed neatly after breaking slabs etc complete as per specification Qty Recorded in this MB vide p.no 188581 Qty = limited to 244.80 cmt @ Rs 65.98/cmt					Rs 16152=00	
2)	Removing B.S slab of drains and stacking complete as per specifications, Qty Recorded in this MB vide p.no 188581 Qty = limited to 594.00 Sqmt @ Rs 49.88/Sqmt					Rs 29629=00	
3)	Re fixing stone slab of drains and pointing in CM 1:3 Complete as per specifications						

M.A.R. 57

Measurer

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Le
1	2	3	
	Nunsuvara Suvy Road.	2 Qty limi @	1
4)	Earth work Excavation fr Pow w/s and Sanitary and Elect or in Trench 1.5m and above Exceeding 1.5m in depth etc Qty Recorded in this M Qty = 368.82 cmt lim		

Sl No-02

Sl no-02 — 0 —

Depth 6	Contents 7	Reference to last Measurement 8
ete complete		
P.no 188581		
cumb		
	Rs 16152=00	
Stowing		
no 188581		
cu Smtr		
	Rs 29629=00	
and pointing		
fications		

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188517

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Muruwara Survey Road.	2	140.0	1.65	-	462.00sqm	
		Qty limited to 415.80 Sqmtr @Rs 62.35/Sqmt				Rs	25,925=00
4)	Earth work Excavation for Foundation of buildings w/s and Sanitary and Electrical conduits either in pits or in Trench 1.5m and above in width in O.soil not Exceeding 1.5m in depth etc complete.					cubic	
	Qty Recorded in this MB vide P.no 188581						
	Qty = 368.82 cumb limited to 340.80 cumb						

Si No-02

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty =	340.80 cuft	@ Rs 151.90 cuft			Rs 51,768-00	
5)	providing and laying in Pce of Mix 1:4:8 with opc Cement @ 180 kgs with 40mm and down granite metal coarse aggregate Machine Mixed Concrete laid in layer not Exceeding 15cms etc complete as per Specifications						
	Qty Recorded in this MB vide p.no 188582						
	Qty = 45.54 cuft limited to 42.60 cuft @ Rs 4,134.80/cuft					Rs 1,76,142-00	
6)	providing and Constructing gouits SSW in Foundation in CM 1:6 stone Hammer dressed in Course not less then 20cms high bed stone at 2m apart in each layer etc complete						

M.A.R. 57 (Rule

Measurement Bo

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensio		
		Number	Length	Br
1	2	3	4	
	culverts	2	10.0 @ Rs	0 2
7)	providing Fush pointing to se			
	or uncoursed stone Masonry			
	deep after Raking joints to			
	lining including cost & mate			
	etc complete	2	10.0	

	Contents 7	Reference to last Measurement 8
ub	Rs	51,768=00
1.5 with		
n granite		
Concrete		
complete		
188582		
2.60 cmt	Rs	1,76,142=00
+887		
r dressed		
band stone		
upleth		

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188518

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	culverts	2	10.0	0.60	1.0	12.00 cmt	
				@Rs 2968.13/cmt		Rs	35,618=00
7)	providing Furth pointing to square Rubble course or uncoursed stone Masonry with cot 1:3 20 mm deep after Raising Joints to depth of 20 mm radially lining including cost & materials labour curing etc complete.						
		2	10.0	1.0	—	20 Smt	
				@Rs 83.68/cmt		Rs	1674=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8)	providing granite slab of selected quality Roughly dressed and fixing in CM 1:6 including fixing curing etc complete						
		2	55.0	1.65	—	181.50 Sqm	
	Qty limited to 178.20 Sqm						
			@ Rs 343.27/Sqm			Rs	61,171=00
9)	providing and laying in pce of 0&1 x 1415 with cumt with 20mm and down size graded granite metal Roughing mixed laid in layers not Exceeding 15cms thick well compacted in foundation plinth and all including cost of all materials etc complete						
	Culvert	2	10.0	0.60	0.10	1.20 cum	
	Ray	2	10.0	0.35	0.20	1.40	
					Total	2.60 cum	

M.A.R. 5

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Serial No.....

Name of work.....From.

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	
		Number
1	2	3
	Quantity limited to	1,
	@ Rs 4683.	
10)	construction of Embankment	
	Grand with all lifts and l	
	Site Spreading grading	
	required Table etc comple	
		1
		@
11)	providing and laying c.M	
	Size granite Coarse aggr	

Si no-02

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	Depth 6	Contents 7	Reference to last Measurement 8
		d Quality	
		1:6 including	
		— 181.50 cft	
		27/cmt Rs	61,171=00
		04 x 14 15 with	
		graded granite	
		s not Exceeding	
		dation plinth	
		erials etc	
	0.10	1.20 cmt	
	0.20	1.40	
		Total 2.60 cmt	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 1885

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Quantity limited to 1.90 cmt @Rs 4683.67/cmt					Rs	8899=00
10)	construction & Embankment with approved materials Gravel with all lifts and loading Transporting to site Spreading grading etc complete to reet required Table etc complete as per Specifications.	1	150.0	1.0	0.20	30.00 cmt	
			@Rs 154.17/cmt			Rs	4625=00
11)	providing and laying C.M using 20mm and down Size granite Coarse aggregate and Fine aggregat						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	TO RRC works with laid in 15cm thick layers and well compacted vibrating curing etc including smooth finish in CM 1:3 with all lead lift etc complete.						
	Culverts						
	Drains web side	1	10.0	1.80	0.23	4.14 cut	
		2	30.0	0.45	0.12	3.24	
		2	30.0	0.60	0.12	4.32	
		2	30.0	1.20	0.12	8.64	
		2	30.0	1.20	0.12	8.64	
		2	30.0	1.20	0.12	8.64	
		2	30.0	0.90	0.12	6.48	
		2	12.0	0.60	0.12	1.73	
	East Side Drain	2	30.0	0.75	0.12	5.40	
		2	30.0	0.75	0.12	5.40	

M.A.R. 57 (R

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Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dime	
		Number	Length
1	2	3	4
	Bed slope	1	222
	Qty limited to 7 (a)		
12)	providing and Removing centa		
	ek and Removal of from works		
	Suspended floors, Roofs landi		
	thicknes above 200mm including		
	labour complete as per Specifi		
	Culverts	1	10.0

Si No-02

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BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
m this layers and g etc including l lead lift etc			
1.80	0.23	4.14 cut	
0.45	0.12	3.24	
0.60	0.12	4.32	
1.20	0.12	8.64	
1.20	0.12	8.64	
1.20	0.12	8.64	
0.90	0.12	6.48	
0.60	0.12	1.73	
0.75	0.12	5.40	
0.75	0.12	5.40	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188520

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bed slope	1	229	0.60	0.10	13.32 cut	
					Totaly	75.35 cut	
	Qty limited to 74.29 cmt @ Rs 5250/cmt					Rs 3,90,023=00	
12)	providing and Removing centering, shuttering propping etc and Removal of from wors for flat Seruture Such as Suspended floors, Roofs landings balconies and lintes thicknes above 200mm including Cost of all materials labour complete as per Specifications.						
	Culverts	1	10.0	1.80	-	18.00 cut	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Drain	4 —	30.0	0.60	—	72.00	
		4 —	30.0	0.70	—	84.00	
		4 —	30.0	1.30	—	156.0	
		4 —	30.0	1.20	—	144.0	
		4 —	30.0	1.20	—	144.0	
		4 —	30.0	0.90	—	108.0	
		4 —	30.0	0.75	—	90.0	
		4 —	12.0	0.60	—	28.80	
	East Side	4 —	30.0	0.75	—	90.0	
		4 —	30.0	0.75	—	0.90	
		1 —	222.0	0.60	—	133.20	
				Totally		1158.0Mt	
	Quantity Admitted to	1143.60	Smt	@ Rs 306.06/Smt		Rs 3,50,010=00	

CSR Ref 395

M.A.R.

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Serial No.....

Name of work.....From

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
13)	providing TMT Steel Rei	
	including straightening	
	in position lapping and	
	tying complete as per desi	
	shall be measured and pai	
	Qty Recorded in this MB v	
	8mm ϕ Qty = 44.60 mt ×	
	10mm ϕ Qty = 12.24 mt ×	
	12mm ϕ Qty = 36.0 mt ×	

Si no-02

OOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8
50	–	72.00	
40	–	84.00	
30	–	156.0	
20	–	144.0	
20	–	144.0	
90	–	108.0	
75	–	90.0	
60	–	28.80	
75	–	90.0	
75	–	0.90	
60	–	133.20	
Totally		1158.0M	
@ 306.06/8m		R	3,50,010=00

C/Sec leg 395

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188521

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
13>	providing TMT Steel Reinforcement for Ree Work including straightening cutting bending placeing in position lapping and welding where required tying complete as per design laps hooks and wastage shall be measured and paid etc complete. Qty Recorded in this MB vide P.No 188583.						
	8mm ϕ Qty = 4440 mt × 0.395 kg/m. = 1753.80 kg						
	10mm ϕ Qty = 1224 mt × 0.617 kg/m = 755.21 kg						
	12mm ϕ Qty = 360.0 mt × 319.68 kg/m = 319.68 kg						

Sl no-02

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	16mm ϕ Qty =	237.60 m x 1.601 kg/m = 380.16 kg					
		Totally 3208.85 kg					
	∴ 32.08 Quintal limited to 31.37 Quintal @ Rs 7712.27/ Quintal					Rs 2,41,934=00	
14	providing and laying 10cm thick precast						
	RC slab.	1	222.0	1.20	–	266.40	
		1	60.0	1.20	–	72.00	
	Covering slab at SC colony	1	35.0	1.20	–	42.00	
				Totals		380.40 Sqm	
						380.40	
	Qty limited to 379.20 Sqm @ Rs 1574.40/Sqm					Rs 5,97,012=00	
				Totally		19,20,582=00	
						19,20,500=00	

C&FC

30/5/2013

M.A.R.

Mea

Serial No.....

Name of work.....Fr

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Certificate: ① This is to	
	② The abou	
	limit an	

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Si No-02

Si No-02

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s		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
		Legion = 330.16 kg	
		Totally 3208.859	
		31.37 Quintal	
		Rs 2,41,934=00	
		Units precast	
1.20	–	266.40	
1.20	–	72.00	C&FC
1.20	–	42.00	
		380.40 Rft	30/5/2013
		380.40	
		Rs 597012=00	
		1574.40/Rft	
		Totally 19,90,582=00	
		1990582=00	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188522

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate: ① This is to Certified that the above said work done satisfactorily ② The above said work is complete with in the BBMP limit and no debris from the working spot						

BWL JP WD 28/5/13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು – 560092